

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A system for providing releasable engagement between two structures, said system comprising:

a stud extending outwardly from a first one of said structures along an axis, said stud having an outer surface oriented at an angle to said axis to define an outer diameter along at least an end portion of said stud; and

a resilient member secured between surfaces of a second one of said structures, each of said surfaces being substantially perpendicular to said axis of said stud, said resilient member having a substantially torroidal configuration defining an opening, said opening having a relaxed state smaller than said outer diameter of said end portion of said stud;

wherein said opening of said resilient member is resiliently expandable radially outwardly to permit passage of said end portion of said stud upon application of a force parallel to said axis;

wherein said opening of said resilient member engages said outer surface of said stud when said resilient member is relaxed, thereby providing engagement between said structures; ~~and~~

wherein said opening of said resilient member is expandable to release said outer surface of said stud upon application of an opposite force parallel to said axis, thereby releasing said structures; and

wherein said resilient member is positioned adjacent a surface of a door.

2. (Cancelled)

3. (Currently Amended) The system as recited in claim 22, wherein said stud is mounted on said frame.

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) The system as recited in claim \pm 22, wherein said stud is substantially cylindrical.

7. (Currently Amended) The system as recited in claim \pm 22, wherein said surface of said stud defines a groove that extends about a periphery of said stud.

8. (Currently Amended) The system as recited in claim \pm 22, wherein said resilient member comprises a radial spring.

9 - 21. (Cancelled)

22. (Previously Presented) A latching assembly for providing releasable engagement between a door and a frame, said latching assembly comprising:

a stud extending outwardly from one of said door or said frame along an axis, said stud having an outer surface oriented at an angle to said axis; and

a resilient member positioned adjacent a surface of the other one of said door or said frame, said resilient member having a substantially torroidal configuration, an outer surface of said resilient member contacting said surface of said other one of said door or said frame to prevent movement of said outer surface of said resilient member radially outwardly, an inner surface of said resilient member defining an opening moveable radially outwardly;

said resilient member having a relaxed position wherein said outer surface of said resilient member contacts said surface of said other one of said door or said frame and said opening is smaller than said stud to releasably engage said outer surface of said stud, and said resilient member having an expanded position wherein said opening is sized to permit passage of said stud.

23. (Cancelled)

24. (Previously Presented) A latching system for releasably engaging a door to a frame comprising:

a stud mounted on one of said door and said frame and having an axis and a surface, at least a portion of said surface being angled with respect to said axis of said stud;
and

a coiled spring mounted in a housing on the other one of said door and said frame and having an axis arranged in a circle to form a torroidal configuration and an outer surface constrained by contacting said housing to prevent movement of said outer surface of said coiled spring radially outward, said torroidal configuration of said spring defining an opening which is exposed when said door is open and is expandable by introduction of said stud therein to allow the stud to pass through said opening and which relaxes to releasably engage said angled surface of said stud, wherein a user of said latching system can release said stud from said coiled spring without the use of a tool.

25. (Previously Presented) A door assembly comprising:

a frame;

a door mounted for movement with respect to said frame;

a stud extending from one of said frame and said door along an axis, said stud having an outer surface oriented at an angle to said axis;

a resilient member retained adjacent a surface of the other one of said frame and said door, said resilient member having a substantially torroidal configuration defining an outer surface and an opening;

said opening of said resilient member being resiliently expandable from a relaxed diameter smaller than said stud to an expanded diameter sufficient to permit passage of said stud by application of a force along said axis biasing said frame and said door together;

said outer surface of said resilient member being in contact with said surface of said other one of said frame and said door, said surface being positioned to constrain said outer surface of said resilient member and prevent movement of said outer surface of said resilient member radially outwardly;

wherein when said door is closed with respect to said frame, said resilient member releasably engages said outer surface of said stud, thereby providing releasable

engagement between said door and said frame, and wherein a user of said door assembly can release said stud from said resilient member without the use of a tool.

26. (Cancelled)